NEW LEASE OF LIFE FOR BUTTE

COPPER GROUND DISCOVERED AT GREAT DEPTH.

Ores Production Up to Standard Despite Depression, Says Montana's Mine Inspector. A Big Ore Body in the Golden Reward, Near Deadwood.

Dec. 11. William Walsh, State Mine Inspector, has submitted his annual report to Governor W. R. Allen. In his report on general conditions, the metals considered. The report is a review of Deputy Inspector Orum, who has charge of the Butte district. Mr. Orum says that despite depression the Butte mines have produced a large output. Development work, conceded by most of the new companies, the few exceptions have become active during the year, thereby enlivening the district and encouraging other companies. The general condition of the district seems to be improving. The most closed has witnessed some interesting developments in the large properties in the lower levels, showing a continuance of ore bodies and values still maintained. Consequently there is no question as to the future of the camp. Mines which were supposed to be worked out have larger ore reserves than ever. Mines that were mere prospects until last year are now numbered among the producers. Among the Black Rock, Davis-Daly, Leonard and Badger. With some of the producers comes a new character of ore, containing most of its values in zinc. The large zinc deposits are being developed in the northern part of the district and also in the southern. Some of the ore carries manganese and iron, which is necessary for furnace treatment. W. A. Clark has installed a plant for the treatment of zinc ore in the Butte district, giving good results.

Mr. Orum predicts a decided change for the better soon respecting mine ventilation. He favors a shaft separate from the hoisting shaft as the best means of ventilation and requires every property should have its own airshaft. The electric fans in the airshafts at the Rarus, Cora and other mines are doing splendid work. Continuing, the Deputy's report says:

A great boon to the mining industry is the cheap power now afforded by the development of the water power of the State which is used to generate electricity. The Anaconda company's mines employ a total of 3,000 men above and below in Butte.

The report says that the product of the district amounts to about 13,500 tons a day on an average, 10,000 tons of which, including North Butte, Davis-Daly, Tuolumne and others, goes to Washoe, the rest to Great Falls for treatment. In addition the West Colusa is treating 225 tons daily. The Anaconda mine proper is being retimbered, owing to the recent fire. The Never Sweat shaft is now down to a depth of 2,500 feet, the St. Lawrence shaft has reached 2,000, the Mountain Con is down 2,300 and the Bell 600. The High Ore is down more than 2,200 feet; the Original, 2,300, and the Belmont, 2,000 feet. The West Stewart is down 2,300, while the Diamond has reached the unprecedented depth of 2,800. The Moonlight is down 2,000 and the Gagnon 2,300; the Grey Rock, 400, and the Rarus, 2,300. The Tramway is down 2,300, with the Mountain View only 400 feet less. The Pennsylvania main shaft is over 2,000 feet deep, the same as that of the Leonard with the West Colusa 1,700. The main shaft of the North Butte's Edith May is down 2,600 feet, while the Elm Orlando has been sunk 1,200 feet. The Pittsburg and Montana is down 1,200 feet and the Bankhalava 1,400 feet.

The Black Rock has been sunk 1,600 feet, as has the Butte, Montana, while the Tuolumne is down 1,400. The Davis-Daly shaft is developed by an 1,800 foot shaft; the Raven has attained a depth of 1,300 feet.

Referring to the industry in general, the report says there is a slight decrease in the number of men employed, although various new companies have been launched. However, this is offset in a measure by the fact that better methods have been employed in the recovery of values and as a result several old mines after a long period of activity have resumed operations and are adding handsomely from a class of ore that was considered worthless in the early days.

No other State, the report says, has made such strides in the production of copper as Montana. While Montana has not the deepest shafts, it has the richest ore and the greatest abundance, and its mines, mills and smelters are equipped with the most modern machinery.

During the last year there has been more attention paid to values of zinc ores and processes for their profitable treatment. Account for the reduction of the several ores containing zinc would be a great benefit to the mining industry of the State. The experiment plant at Butte has proved a success. There are several districts where the ores exist, carrying good values in precious metals, and in several instances a large percentage of copper ore, temporarily rendered valueless by reason of high charges made at the smelters in terms of zinc penalties. With the operation of a proper plant these penalties will disappear and in their stead the zinc will be a valued value. Zinc ores are found in immense quantities in Jefferson county, which will become rapidly to the front as a mineral producer. In the Rimini district of Lewis and Clarke county and elsewhere the same conditions exist. The ore can be produced at lower cost than the zinc ores of Missouri, the other zinc districts, because the lead and silver and other valuable metals contained in it.

The inspector touches upon the liability of mine owners for injuries to their employes, quoting from a recent Supreme Court decision. He issues a warning against the purchase of stocks in mines until an examination of the property has been had, and against losses in "wildcat" propositions.

During the year there were fifty-one fatal accidents, forty-eight of which occurred at Butte. The inspector estimates that 1,000 men are engaged in the mining industry and that the ratio of fatal accidents per 1,000 men is therefore about 2.08.

While it is extremely difficult to give figures for the production for the calendar year, the inspector estimates that it will be in the neighborhood of $55,000,000, with copper the chief constituent.

Dec. 7. The official figures of the Anaconda Copper Mining Company show the two smelters of that company turned out in November 21,800,000 pounds of copper, the Anaconda smelter producing 18,000,000 and Great Falls 3,800,000. The East Butte smelter produced 1,000,000 pounds and the miscellaneous production made the total for the Butte district about 23,000,000 pounds, a reduction from the October output of 1,000,000 pounds below the normal production.

Repairs, improvements and development going on among the Anaconda properties at the present time are enormous, materially to increase the payroll during the entainment period. The work for the new electrical hoisting plant at some of the original Anaconda mines has arrived and the work of installing it has begun.

Sinking the St. Lawrence shaft to a depth of 2,700 feet has been commenced. The shaft is now down 2,100 feet, which is 600 feet below the 2,300 foot level of the High Ore. The connection will be made with the High Ore at the 2,600 foot level and the St. Lawrence will be the mine from which the ores will be drained from the High Ore.

Reports from the Corbin district say one of the richest strikes ever reported has been made in the Chicago and Montana's shaft. The ground lies to the north of the Bertha vein of the Boston and Montana, east of the Alta. The shaft is 200 feet deep and is within 200 feet of the Bertha shaft. As it reaches the Bertha ore is sorted into two lots, being for shipment to the smelter. The width of the lead has not been determined, but the ore vein is 6 feet wide. The shaft is to be sunk 25 feet, the lead thoroughly cross-cut and blocked out before any stoping is done. It is expected that a depth of 1,000 feet will be reached by next year, and that the ore will be in sight, which will justify the building of a smelter. A site has already been selected, the ground surveyed.

Senator Clark, it is learned, has made arrangements for the purchase of modern machinery for the Butte ore at the Butte reduction works.

Anaconda Copper Mining Company

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has bought a half interest in the Wild Bill claim owned by the John Noyes estate, the deed having been executed by Mrs. Noyes in behalf of herself and heirs. The other half interest was already owned by the Anaconda. It is a valuable property surrounded by the Eight Mile, Pittsburg, Gold Run, Rose, Cora, Rose, Golden Chief, Jupiter, Edgemont, Miners Union, Arizona. Those who will participate in the division of the proceeds are Mrs. Arthur E. Hunter, who was a daughter of the late John Noyes.

The Raven Mining Company has resumed operations in the Snooper claim in accordance with the agreement with the Anaconda Copper Mining Company. After opening the Snooper shaft some water was encountered less than 100 feet from the surface and after a consultation it was decided that it would be cheaper and better to work the Snooper through the Old Glory. Arrangements were made with that end in view. A crosscut has been partly run through the Old Glory at the 300 foot level to the Snooper and this will be completed and the Snooper worked upward. A crosscut will also be run from the 300 foot level. Work has been somewhat retarded on the 1,300 foot level of the Raven owing to an accident to the pumps.

The Tuolumne company is shipping at the rate of about 200 tons a day, the ore coming principally from the 1,000, 1,200 and the 1,400 foot levels. The first class ore will average about 11 per cent. and the second class better than 7 per cent., the great bulk of the output being first class. The enlargement of the station on the 1,400 foot level has been completed and drifting is now going on west of the 400 foot level to open up the top of the rich ore body which is known to exist from that level down to the 1,000 foot level.

The East Butte company is hoisting about 300 tons a day, the greater part of which averages 8 per cent. copper. The October net earnings of the East Butte company amounted to $[illegible]. It is said the November earnings will be greater. The strike on the 300 foot level runs from wall to wall to a width of thirty-eight feet and twenty-eight feet averages better than 10 per cent. copper.

WASHINGTON.

SEATTLE, Dec. 5. Several small gold nuggets in a chicken's crop led to the discovery of gold in a sand stratum opened by digging a well east of Vancouver. It was found at a depth of twenty-six feet and now all the farmers in the vicinity are sinking prospect holes on their land.

On December 1 a hundred claim owners in Stevens county had filed statements showing the annual $100 assessment work completed.

T. F. Wilson and associates have completed a bond on a group of claims owned by Lemer brothers, E. Oppenheimer and others the early part of the week for $10,000, first payment made within a year and continuous development of the property. The group consists of the Mountain Lion and the Klondike and are adjoining the property of the Royal Copper Company near Chewelah. This is a silver lead mine carrying high values in silver, with a well defined lead of mineral showing the full length of the claims.

The third car of high grade ore has been shipped from the Surprise mine. The two preceding have averaged $1,100. Work is being actively carried on, consisting principally of exploring the ore bodies.

A fine body of ore was struck a few days ago while making a raise from the 300 foot level on the North San Poil in Eureka Gulch, near Republic. The ledge, which is between four and five feet wide, contains a streak of ribbon quartz that is said to go $100 to the ton. The property, formerly belonging to the Field and Campbell interests, has not been worked for some years, but active development work is being done now by Sam Kerr, manager of the mine, and associates.

BRITISH COLUMBIA.

SEATTLE, Dec. 5.—A big strike has been made in the Red Cliff mine, near Stewart. This is the property which brought the Portland Canal country upon the world, and a great deal of development has been done on it. A. D. Tennant, one of the directors, has made the following statement concerning the strike: "In the 1,000 foot level a heavy mineralized zone was struck which ran about twenty-six degrees west of north and in exact line with the surface showing of the whole group of claims. This mineralization has remained permanent. At 1,234 feet the first copper pyrites was run into. At 1,330 feet the face of the tunnel became very wet and at 12.30 A. M. on November 29 Mr. Smith and I were wakened by the telephone from the tunnel with the news that solid ore had been shovelled up. The last shots, the men being greatly excited owing to the fact that a $200 bonus had been promised to the shift that drilled into pay ore. We have now over 450 feet of backs where we encountered the ore and we should gain more than foot per foot for the next 200 to 400 feet."

After two years of hard plodding by the company, which was formed at Moyie the Aurora mines property now promises to be one of the heaviest shippers of silver-lead ore. It has twenty men on the payroll, a great many of whom are breaking ore which is going through the Aurora tunnel on the Moyie River. The ore is shipped to the Trail smelter. The pier tunnel of the mine has been driven 800 feet and a good deal of stoping and crosscutting has shown up in that level about 12,000 tons of ore. Two hundred feet of tunnel has been driven lower down and when this is completed it will tap the body of ore in No. 2 tunnel at a depth of about 150 feet. The Aurora made its first shipment of concentrates, enough for trial shipments last year, last week to the Consolidated smelter.

The Consolidated Mining and Smelting Company's smelter at Trail has treated to date this year, according to the ore returns for the week, 400,010 tons. Last year at approximately the same date 366,664 tons had been treated, so that at present the smelter is 41,000 tons ahead of its last year's record.

The Granite-Poorman crosscut has reached the Greenhorn ground at a total length of 700 feet at 350 feet of depth. While development work has been in progress on the Greenhorn the operators are stoping in the Poorman. The Poorman vein is developed by six levels, all drifts, the upper portion of the vein being stoped out. The stoping now in progress is going on between the fourth and fifth levels.

A portion of the development work done early in the year was upon the Granite property, when No. 5 tunnel was driven on the Granite ledge for a distance of 500 feet, chiefly on the White claim. The ore taken out was milled.

Altogether the Granite-Poorman group now comprises twelve claims.

On Lemon Creek the Bessie group of mineral claims, consisting of six claims, has been acquired by W. F. Anderson of Poplar.

ALASKA.

SEATTLE, Dec. 5.—The largest gold digging machine in the world is now at work in the Klondike. It is a huge dredger which cost $400,000 and is electrically driven and lighted. The digging and stacking apparatus has steam appliances designed to overcome ice and it can work in the dead of winter. It belongs to the Canadian-Klondike Company and is working in virgin ground. It will dig 45 feet below the surface and elevate the gravel 50 feet above. It has a capacity of 10,000 cubic yards a day. Every bucket handles 14 cubic feet. On the line are 71 buckets each weighing more than two tons. Each is cast in one piece, being an improvement over the ordinary bucket by virtue of having no central seam from which water may leak and cause ice during cold weather. The digging ladder is 97 feet long. Huge timbers for framing and bracing the hull and upper works, giant spuds or prodigious gantries and other gigantic parts strike the eye everywhere. The material used weighs 1,800 tons, of which half is steel and half wood. More than 25,000 bolts are used, and of this number many are 2 to 3 feet long. The hull is 130 feet long with a width of 49 feet and overhangs 3 feet on each side. It is built like a battleship, having numerous huge braces through the interior and with side planks many inches in thickness. The dredge is 50 feet long and 9 feet 9 inches in diameter. The loaded craft draws 9 feet.

Arrivals from Dawson report 300 men still at work for Treadgold on the great ditch and power plant.

While there are 2,000 men wintering in the Iditarod according to a late letter the surplus population is on the Kuskokwim side of the divide prospecting.

A Moon Creek claim has been sold to Tom Perry for $82,000. This is the first sale of importance in the Kuskokwim diggings.

Fewer people came out of the Iditarod camp this fall than ever left new diggings before at the end of the first season's operations.

A transfer of mining property took place recently at Valdez by which H. W. Siesdorf and I. J. Devines acquired the Big Strike group of claims at Shoup Bay. The price for the property was $85,000, of which $2,000 was paid down and the remainder is to be paid later at intervals.

The Beaver River district to the north of the Chatanika continues to show up very favorable prospects and the indications are that there will be a large force of men busy in that section all winter. Ophir creek is the only stream so far that has any real pay located.

From the bottom of the winze now being sunk in the Steward Gold Company's property on Ground Hog, an average sample taken across the width of the vein gave a return of better than $106 in gold content. The vein is four feet wide and shows a well defined fissure.

Some good pay has been uncovered on Killarney creek near Hot Springs. The gravel is 30 feet deep.

Martini & Street, miners at Treadwell, recently took a contract to do some drift work and during the thirty days just passed, with one machine working on a shift, have completed 198 feet. This is the best work that has ever been done on Douglas Island.

Experts representing Eastern parties are at Juneau examining the Red Diamond mine, the property of the Winn family, and a sale may be made. The mine is on Douglas Island.

The two electrical elevators on Rotchev, owned by the Yukon Gold Company, are being dismantled and the machinery parts had carefully laid away on top of the hill. The elevators are too exactly being awarded, but it is not known that they will be put into operation again.

It has been found that the elevators are more costly of operation than was expected. They have their advantages, but the disadvantages make them less desirable than the dredges, particularly for the ground in which they are situated.

As a result of an absence of six months in the Arctic country James McCloskey of Juneau is $22,000 in gold better off than he was before he went there. Mr. McCloskey came out with the gold in a huge poke and now has it in his safe. The pay dirt was not encountered until just before the freezeup. Next summer he thinks a lot of gold will be taken out of the claim.

A number of drills for the Alaska-Juneau Gold Mining Company are at Juneau and Sept. Jones had them put up at once and work on the 2,000 foot hole to the beach, where a stamp mill is to be established, was begun. President F. W. Bradley of the Alaska-Juneau, who is also consulting engineer of the Treadwell properties on Douglas Island, announces he will go to Juneau in the spring and remain all summer overlooking the work.

Work has begun on the Benners Bay mines and Count Cole, after ten years of waiting, has the results of litigation in once more active camp. Five hundred men will be employed there next year.

LAKE SUPERIOR COPPER.

HOUGHTON, Mich., Dec. 10. Interests identified with the Calumet and Arizona Mining company are planning a development campaign to exploit a tract of about 1,500 acres of mineral lands in the Gratiot Lake district in Keweenaw county. These lands lie well in the eastern horizon of the Lake Superior mineral belt and on the eastern slope of the Bohemian Range, along which, a limited amount of exploratory work was done in earlier years. The new work will be carried on with diamond drills. The lands are held under option.

There has been talk recently of a new holding company to take over all the Calumet and Hecla subsidiaries. The Calumet and Hecla management denies the rumors. A mining engineer has been in this district for several weeks examining the Keweenaw county lands of the Calumet and Hecla company at the instance, it is believed, of a well known exploration and development company which for some time has shown a desire to get into this district.

The Cherokee Mining Company, operating in territory just north of the Lake Indiana district, has located copper ground in what is presumed to be the Winona lode. The drill core indicates a width of about 20 feet with more or less copper showing throughout.

The Adventure Consolidated Copper Company continues shaft sinking to reach the No. 2 lode, the most promising of the three revealed in the exploratory work of two years ago. The shaft has a depth of about 1,000 feet, or nearly 100 feet below the No. 1 lode upon which drifting has not yet begun. The No. 2 lode is calculated to lie around 500 feet below the No. 1. To reach it will require six to eight months time at the present rate of sinking.

The Hancock Consolidated Mining Company is preparing to begin production soon after the first of the year. The rock output will be at first not in excess of 500 tons daily. It will be sent to the Centennial Allouez mill.

SOUTH DAKOTA.

DEADWOOD, Dec. 8. With the visit east of N. H. Franklin in the interests of the Golden Reward Mining Company the object of the trip here six weeks ago of the Vanderbilt and Astor party of financiers to inspect the property was disclosed. It is announced that the company is now developing and opening up a rich and extensive ore body. Mr. Franklin is purchasing machinery and equipment for a 100 ton mill to be erected in Deadwood and for a roaster to be put upon the property in Bald Mountain. The Golden Reward has long been a dividend payer. It has yielded largely from a grade of ore last summer worth in the Minnie claim where a shaft of 350 feet had been sunk, disclosed a new body of sulphide ore so soft that it can be picked out easily. The tunnel was run 1,200 feet in ore and a crosscut run 150 feet without discovering either wall, while the body is fourteen feet thick. The ore was extensively sampled all along the ledge and found to run from $10 to $48 in gold. It is not amenable to the cyanide process and must be shipped. The company owns nearly two miles of ground in the apparent direction of the ore trend.

Acting on orders from Ohio officers, the Continental Copper Mining and Smelting Company, located near Sheridan, Fennington county, has temporarily shut down all work.

The much talked of smelter proposition for the Galena district promises to become a reality. The plan involves the properties of the Gilt Edge Mand Mining company of which United States Senator Clapp of Minnesota and the Minnesota Trust company are heavy owners, and the Hercules Gold Mining company, which is Boston and association of Chicago, including Hugh McCulloch, interested in the smelter, is to be located down Bear Butte Creek near the town of Galena about nine miles north east of here. It will have a daily capacity of 100 tons. The process includes the recovery of sulphur in commercial form. The ore will come from the Gilt Edge Mand where there are large low grade gold deposits and some high grade ore. The Hercules company will furnish a concentrating plant. It is understood that the deal involves $60,000, which is now on deposit in a local bank.

Letters from the reorganization committee of the Reliance Gold Mining company announce that the reorganization details are complete, the money has all been secured and bonds disposed of. The new company is to be known as the New Reliance Gold Mining Company. The Reliance is financed by Lord & Tilson and associates of Minneapolis.

At the plant of the Tinton Operating Company, on the line between South Dakota and Wyoming, over fifty men are daily turning out over one hundred and fifty tons of ore. The company is working in a fine series of tin ledges that appear almost limitless. There is on hand a considerable amount of cassiterite concentrates.

Eastern men are at Hill City for an inspection of the Golden Slipper Mining Company's property, which has just been unwatered.

Dennis Hena II has shipped another car load of amblygonite from the Bob Ingersoll ground near Keystone and the returns were higher than any previous shipment. The lot showed 8% to the ton. The amblygonite yields lithium in commercial form and phosphoric acid as a by product. Mr. Henanin leases the property from the Pahasa Mining Company.

UTAH.

SALT LAKE, Dec. 7. The American Smelting and Refining Company is ready to light fires under the sixth reverberatory furnace at the Garfield smelter. This will give the plant 500 tons additional daily capacity for reduction of copper concentrates.

Kellogg & Scott, who have been driving the Yankee Consolidated shaft, have secured another contract, which will take the shaft from the present depth of 1,500 feet to 1,750 feet.

The Bingham Midway has encountered a two foot vein bearing lead and silver. A valuable porphyry lead has been uncovered.

James Larson, who owned several claims adjoining the North Colorado group in Tintic, has transferred them to the Eureka Comstock Company.

The drift on the Lady Mines Coalition in Big Cottonwood has been continued 125 feet beyond the point where the first discovery of rubyite was made, and the face now shows five feet of rock which averages 24 ounces silver, 5 per cent. copper and nearly and 5 per cent. lead.

The Nevada-Utah Company has given a lease on the Last Chance in Bingham. It is stated that the Bellman vein, its other side, which is developed for Deepmer on a point of area of market for its shipping gold and silver ore. There is sufficient money in the treasury, but it is deemed advisable to keep.

The sinking has been completed in the shaft of the Eagle and Blue Bell to the 1,000 foot level. The shaft at the 800 foot level encountered a large body of silver and lead ore.

On the 700 foot level of the Tintic Standard the management is drifting along the contact of the quartz and lime finding frequent pockets of good ore.

UTAH.

Information from insiders is that the Goldfield Consolidated is preparing to increase its extra dividends ten cents the quarter. This would make the extra dividend 40 cents instead of 30 cents, and would make the entire dividend 60 cents the quarter, instead of 50 cents. The company is capitalized for $50,000,000, of which there is issued $35,955,480, or 3,595,548 shares. Under the proposed increase the next quarterly dividend would be $2,157,088.80, which is at the rate of $2.40 a share per annum, or a total of $8,628,355.20 annually. In October Goldfield Consolidated produced gross values of $1,080,018, with a net profit of $714,127 after paying all costs and writing off $60,000 for new construction. The average gold content of all ore mined in October was 2.01 ounces per ton, or $41.49 the ton, a net profit of $37.71 being obtained.

A discovery of importance has been made in the Red Top Extension, a small fraction between the Clermont and Laguna claims of the Goldfield Consolidated. The ore was encountered on the 420 foot level and runs $25 the ton.

One of shipping grade is again being saved on the Goldfield Andes lease. The outlook is promising on the 800 foot level.

The Round Mountain Mining Company announces that no dividends will be paid for a year because of litigation. The company proposes to appeal from the judgment of the Nye County Court that Davidson, a leaser, was entitled to recover $82,000 for ore. The court doubled this amount under the provisions of the law. The Round Mountain has distributed $823,274 in dividends in two years.

The Mason Valley company reports a find of rich ore in No. 3 tunnel.

The Centennial Pioche has encountered water and ore in the lime at a depth of 510 feet in the shaft.

The Tonopah Belmont treated in October 6,546 tons of ore at the mill and 1,125 tons was shipped to smelters. The gross value was $215,056.69 and the net $107,469.35. 2,192 ounces of gold and 240,491 ounces of silver were produced. A dividend of $225,000 has been paid this year.

The Nevada-Douglas announces that it has been successful in selling $300,000 in bonds.

D. Millard has been appointed receiver of the Ely Central at Ely. The plans for reorganization have been dropped and the assessment of 25 cents a share called off. The stockholders who have paid their assessment will be reimbursed.

COLORADO.

COLORADO SPRINGS, Dec. 7.—The Cripple Creek gold output for November reached 68,127 tons of ore, worth gross $1,392,147. The smelters treated 4,487 tons worth $65 each. Cyanide mills in the camp treated 12,440 tons worth $3 to $8.50. The average value of the product of chlorination mills ranged from $20.40 to $22. The total production for 1910 thus far is 679,034 tons worth gross $14,019,416. The December record will bring the gross total to $16,000,000. Several leases expire with the year and production is being crowded before properties are turned over to owners. Mill capacity will be increased during December.

The Golden Cycle Gold Mining Company disbursed a 2 cent per share dividend December 1, the total being $30,000. Two weeks ago a dividend of 1 cent a share, $15,000, was paid. With $1,500,000 surplus in the treasury the company may pay 2 cents monthly during 1911.

The Granite Gold Mining Company, Cripple Creek, will disburse a dividend of 1 cent a share December 15, total $16,500.

The American Eagles mine of the Stratton estate, Cripple Creek, is in four feet of ore, carrying $100 to $160 a ton values.

The Oro mine of the Colorado Springs Gold Mining Company on Ironclad Hill, Cripple Creek, is in a four foot vein of shipping ore, containing a streak or core two to six inches wide, carrying 32.46 ounces gold per ton, or $640.60. The strike was made at the 300 foot level. Crosscuts will be run at from the 200 and 250 foot levels to get under the shoot.

Forty-four sets of lessees are operating on Stratton's Independence, Limited, mine, Cripple Creek, and the cyanide mill is approaching the output of 9,000 tons monthly.

The Central tunnel, at 800 feet from the portal, has cut the Bellman vein, its other side, the seat of intersection carries seven feet of $20 ore. Picked samples of ore show $60 to $70 a ton, but the average is close to 60 ounces gold and 4 ounces silver per ton. The tunnel cuts the vein near its middle and at 1,200 feet below the surface. The vein is continuous to the surface, as in the Gem, the Dove's Nest and the Crown Point, which are on the same vein.

Pueblo capitalists are examining the Wild Boy properties in Gold King basin, Telluride long idle, with a view to leasing. Extensive pay deposits exist.

The La Junta mill recently modernized, has been closed for the winter owing to lack of water. The mine, in the Telluride district, is producing considerable rich ore.

R. B. Wilmarth, of Detroit, Mich., has taken over the Gold Hatter mine at Ophir, col., for the Modern Gold of Ophir Company, newly organized.

The Vanadium mine and mill at Newmire, owned by the Primos Chemical Company of Primos, Pa., have closed for the winter.

Breckenridge mines are active. The Golden Gate group, on Sawmire Mountain, near Montezuma, will be developed by the Clear Creek and Summit Mining Drainage

Continued on Eleventh Page.

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Teutonic... Dec. 21, 8 PM | Oceanic... Jan. 7
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